

form

dimensional ~~from~~ data TM1. The as-received three-dimensional form data TD1 may also be output as the form data TM3. The form data TM3 may be stored in a flexible disk or are supplied through a communication line to another computer.

At page 14, the last paragraph:

Next, meridians BCM and longitudes BCP, as Bezier curves along the three-dimensional form model TM1 are determined from the auxiliary points $p_{i,j}(t_1), \dots, p_{i,j}(t_k)$ on the three-dimensional form model TM1 (step S15). Bezier curves on the three-dimensional form model TM1 are denoted as $R_{i,j}(T)$. Then,

IN THE CLAIMS

Please amend claims 2, 29, 34, 38, 40 and 45 as follows:

2. (Three Times Amended) The method according to claim 29, wherein said plurality of lines along the surface of the three-dimensional form model corresponding exactly to contours of the three-dimensional form model comprises a parametric curve group.

29. (Four Times Amended) A computer-implemented method of generating three-dimensional form data to be used in a computer apparatus, the method comprising the steps of:

obtaining an electronic data of a three-dimensional form model;

generating a plurality of lines along a surface of the three-dimensional form model, the plurality of generated lines corresponding exactly to contours of the three-dimensional form model; and

modifying the plurality of generated lines in response to a user instruction, wherein

the user instruction includes at least one of an addition of at least one line in the plurality of lines, a movement of at least one of the lines, and a deletion of at least one of the lines, and

after the modification, the plurality of lines still correspond exactly to contours of the three-dimensional form model.

34. (Amended) The method according to claim 29, further comprising the step of:

generating a summary data for representing the modified plurality of generated lines, wherein a quantity of the summary data is smaller than a quantity of the obtained three-dimensional form data.

38. (Twice Amended) A computer-implemented method of processing an electronic data representing a three-dimensional model, the method comprising the steps of:

receiving a first electronic data of a three-dimensional model of an object which has been acquired on the object;

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generating a second electronic data corresponding exactly to first portions on a surface of the three-dimensional model, wherein a capacity of the second electronic data is smaller than that of the first electronic data; and

generating, from the second electronic data, a third electronic data corresponding exactly to second portions on the surface of the three-dimensional model, the second portions including at least one portion different from any one of the first portions, wherein

a capacity of the third electronic data is smaller than that of the first electronic data.

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40. (Amended) The computer-implemented method according to claim 39, wherein positions of the first or second portions are changed by changing the predetermined lines to be projected onto the three-dimensional model.

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45. (Twice Amended) A computer-implemented method of generating three-dimensional form data to be used in a computer apparatus, the method comprising the steps of:

obtaining an electronic data of a three-dimensional form model;

generating a plurality of lines along a surface of the three-dimensional form model, the plurality of generated lines corresponding exactly to contours of the three-dimensional form model; and

modifying the plurality of generated lines in response to a user instruction, wherein